SUBMITTAL DATA SHEET

HORIZONTAL DISCHARGE SPLIT SYSTEM AIR CONDITIONERS
13 SEER – R-410A – 1 PHASE – 1.5 THRU 5 NOMINAL TONS
MODELS: TCHD18 THRU 60

JOB NAME:			**LOCATION:**	
PURCHASER:			**ORDER NO:**	
ENGINEER:				
SUBMITTED TO:	**FOR:**	**REF:**	**APPROVAL:**	**CONSTRUCTION:**
SUBMITTED BY:			**DATE:**	
UNIT DESIGNATION:			**SCHEDULE NO.**	**MODEL NO.**

PRODUCT DATA

Cooling Performance

Total Capacity _____ MBH

Outdoor Design Temp_____ °F

Electrical Data

Power Supply____/___/_____

Compressor Ampacity _____AMPs

Total Unit Ampacity _____AMPs

Power Input Req_____KW

Minimum Wire Size_____AWG

Overcurrent Device

☐ **Fuses** ☐ **Circuit Breaker**

Unit Weight

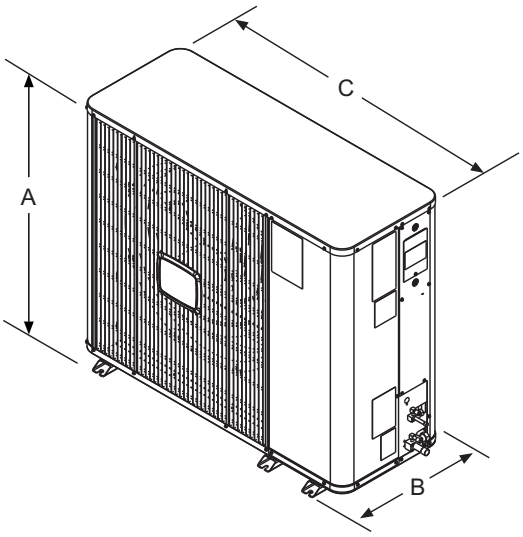
Unit Weight _____LBS

AHRI CERTIFIED™ www.ahridirectory.org
Unitary Small AC
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

C US

ISO 9000 REGISTRATION
ISO 9001
Certified Quality
Management System

DIMENSIONS - INCHES



Unit Model	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	A	B	C	Liquid	Vapor
18	25-1/4	17-1/2	37-1/4	3/8	3/4
24	25-1/4	17-1/2	37-1/4		
30	37-1/4	20	45		
36	37-1/4	20	45		
48	43-1/4	20	45		7/8
60	43-1/4	20	45		

All dimensions are in inches and are subject to change without notice.
Overall height is from bottom of mounting feet to top of unit.
Overall length and width include mounting feet and screw heads.

FEATURES

- **Performance** - Efficiency levels from 13.0 SEER/11.0 EER with a loose coil up to 16.0 SEER/14.0 EER (some models) when coupled with an ECM indoor blower.
- **Small Footprint** - Compact “slim-line” design allows for easy installation in tight spaces. Units can be stacked two-high with approved stacking kit.
- **Sound Reducing System** - The combination of a swept-wing fan, rigid base pan, isolated compressor compartment, and quiet scroll compressor reduce sound to as low as 69 dBA.
- **Low Operating Sound Levels** - The swept-wing condenser fan in blow-through configuration provides for whisper-quiet operation by allowing air to flow smoothly and efficiently across the fan tips.
- **Quality Condenser Coils** - The coil is constructed of aluminum microchannel tubing and enhanced aluminum fins for compact size and increased efficiency.
- **Environmentally Friendly Refrigerant** - The next generation refrigerant R-410A delivers environmentally friendly performance with zero ozone depletion.
- **Durable Cabinet** - Heavy-gage steel cabinet and tubular base rails provide added support.
- **Aesthetic** - Powder paint “Champagne” color provides an attractive retail finish.
- **Agency Listed** - Safety certified by CSA to UL 1995 / CSA 22.2. Performance certified to ANSI/AHRI Standard 210/240 in accordance with the Unitary Small Equipment certification program.
- **Commercial Applications** - The TCHD 3 Phase Series is also available in 208/230-3-60 and 460-3-60 voltages in the 2½, 3, 4, & 5 ton models.

Other Features:

- Factory supplied filter drier
- High pressure switch, low pressure switch
- Accumulator and crankcase heater in all sizes
- Up to 200’ line set ready out of the box
- Zero lot line - only 6” minimum clearance from structure

WARRANTY SUMMARY*

Extended 10-Years limited parts warranty.

Standard 10-Years limited compressor warranty.

Extended 10-Years limited parts warranty requires online registration within 90 days of purchase for replacement or closing for new home construction.

*Does not apply to R-22 models, 3-Phase models, or internet sales.
See Limited Warranty certificate in User's Information Manual for details.

CLEARANCES

The minimum clearances shown below must be maintained should any patio or yard improvements be done around the outdoor unit.

- 18" Minimum Service Panel Access
- 6" All Other Sides

MATCHING AIR SIDE EQUIPMENT

Model No. ☐_____

Submittal Form No. ☐_____

FIELD INSTALLED ACCESSORIES

Off Cycle Timer (S1-2TD08700124) ☐_____

Thermostats ☐_____

Blower Off Delay (S1-2FD06700224) ☐_____

Low Ambient Pressure Switch (S1-2LA06700424) ☐_____

Stacking Kit ☐_____

Hard Start Kit ☐_____

Model	Start Kit Numbers
18, 24, 30, 60	S1-2SA06704006
36	S1-2SA06715006
48	S1-2SA06708006

Refer to Technical Guide for detailed specifications on the unit and its accessories.

Verify the actual ratings for each specific matchup in the online AHRI directory at www.ahridirectory.org at the time of sale. It is also recommended to print the rating certificate, if needed, at the time of sale.

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